

Amendment to the Claims

1. (Currently Amended) A method of scheduling multiple data flows for quality of service adjustment in a packet switched cellular system, comprising the step steps of:

coupling a first scheduling mechanism of a first cell with a second scheduling mechanism of a second cell; and

adjusting a data transmission rate for a user equipment in dependence on a data flow rate ensured during a preceding time thereby providing a definable minimum value for the data transmission rate, a medium value for the data transmission rate or a maximum value for the data transmission rate.

2. (Original) The method of claim 1, wherein the step of coupling comprises the step of transferring data having a status information concerning a data flow to be handed over from the first scheduling mechanism of the first cell towards the second scheduling mechanism of the second cell.

3. (Original) The method of claim 1, wherein at least one of the first and second scheduling mechanisms is ensured by linking at least two schedulers each operating on a different protocol layer, wherein each protocol data unit of an incoming data flow to be transmitted is scheduled by a scheduler on an upper layer regarding pre-definable associated quality of service requirements into a priority list to be served by a scheduler of a lower layer.

4. (Currently Amended) The method of claim 1, further comprising the steps of:

sending a measurement report comprising ~~an~~ information of the current quality of a radio link concerning the a first cell, depending on the necessity to handover a user equipment from the first cell to the a second cell based on the a reported measurement;

transmitting a handover command message to involved entities;

terminating the a scheduling procedure of the first cell for the data flows of the user equipment;

transmitting a status information for the data flows of the user equipment to the second cell; and

starting a scheduling procedure of the second cell for the data flows of the user equipment.

5. (Cancelled)

6. (Original) The method of claim 1 comprising the step of timestamp shifting during a handover including the step of defining a minimum timestamp value of PDUs of currently scheduled data flows associated with the first cell, defining a maximum timestamp value of all PDUs of currently scheduled data flows associated with the first cell or defining a timestamp offset value adapted to be used for an inter-cell compensation.

7. (New) A method of scheduling multiple data flows for quality of service adjustment in a packet switched cellular system, comprising the steps of:

coupling a first scheduling mechanism of a first cell with a second scheduling mechanism of a second cell; and

timestamp shifting during a handover, the timestamp shifting including the step of defining a minimum timestamp value of PDUs of currently scheduled data flows associated with the first cell, or defining a maximum timestamp value of all PDUs of currently scheduled data flows associated with the first cell, or defining a timestamp offset value adapted to be used for an inter-cell compensation.